BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Providing and Asphalting to Road at Bhuvaneshwara in Ward No.06, Byatarayanapura Sub Division

									Estimate Cost Rs.	1900000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount	
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2012-13	cum								
	Desiltation Of Drains									
	17 th Cross		2	300.00	0.40	0.35	84.00			
	17th A Cross		2	300.00	0.40	0.35	84.00			
	Burm Cutting									
	17 th Cross		2	300.00	0.70	0.15	63.00			
	17th A Cross		2	300.00	0.70	0.15	63.00	✓		
							294.00	112.32	**33022.00**	
	Basic Rate	104.00	✓							
	Area Weightage @ 8%	8.32	✓							
	Total	**112.32**	✓							
2	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in **Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2012-13	Cum								
	For Culverts		4	6.20	1.95	1.05	50.78	✓		
							50.78	201.96	**10255.00**	
	Basic Rate	187.00	✓							
	Area Weightage @ 8%	14.96	✓							
	Total	**201.96**	✓							
3	**Removing** B.S Slab of Drain and stacking Page No. 28/ Item No. 5.32/ PWD SR 2012-13	Sqm								
	17 th Cross		2	300.00	1.65		990.00			
	17th A Cross		2	300.00	1.65		990.00			
							1980.00			
	20% of Wastage Slabs Deduction Qt						**396.00**	✓		
							1584.00	44.47	**70447.00**	
	Basic Rate	41.18	✓						70440	
	Area Weightage @ 8%	3.29	✓							
	Total	**44.47**	✓							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	**Refixing** stone slabs of drains and pointing in C.M (1:3) Page No. 28/ Item No. 5.33/ PWD SR 2012-13	Sqm							
			Qty Vide Item No.3				1584.00		
							1584.00	63.00	**99786.00**
	Basic Rate	58.33							99792
	Area Weightage @ 8%	4.67							
	Total	**63.00**							
5	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete Page No. 28/ Item No. 5.31 / PWD SR 2011-12	Sqm							
	For 20% Wastage Slabs		Vide Item No.3				396.00		
							396.00	315.36	**124883.00**
	Basic Rate	292.00							
	Area Weightage @ 8%	23.36							
	Total	**315.36**							
6	KSRB-4-1.3 : Providing and laying in position **plain cement concrete of mix M 7.5** withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2012-13	Cum							
	For Culverts		4	6.20	1.95	0.15	7.25		
							7.25	3884.76	**28180.00**
	Basic Rate	3597.00							28164.5
	Area Weightage @ 8%	287.76							
	Total	**3884.76**							
7	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry **in foundation** with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 25/ Item No. 5.6/ PWD SR 2012-13	Cum							
			2X4	6.20	0.60	0.40	11.90		
							11.90	2761.56	**32874.00**
	Basic Rate	2557.00							32862-5
	Area Weightage @ 8%	204.56							
	Total	**2761.56**							
8	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry **in basement** with cement mortar 1:8, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 26/ Item No. 5.9/ PWD SR 2012-13	Cum							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	For Culverts		2X4	6.20	0.50	0.45	11.16		
							11.16	3223.80	**35978.00**
	Basic Rate	2985.00							
	Area Weightage @ 8%	238.80							
	Total	**3223.80**							
9	KSRB-4-1.6 : Providing and laying in position plain cement concrete of mix **M15** withOPC cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/ P.No. 12/ Item No. 4.6/ PWD SR 2012-13	Cum							
	For Vent		4	6.20	0.60	0.10	1.49		
			4X2	6.20	0.50	0.10	2.48		
							3.97	4409.64	**17497.00**
	Basic Rate	4083.00							17,506.00
	Area Weightage @ 8%	326.64							
	Total	**4409.64**							
10	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of mix **M20** withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, **No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2012-13**	Cum							
	For Culverts		4	6.20	1.60	0.20	7.94		
							7.94	5239.08	**41577.00**
	Basic Rate	4851.00							41598.00
	Area Weightage @ 8%	388.08							
	Total	**5239.08**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2011-12	Qtl	0.9						52507.5
	0.90 Qtl/Cum		0.85	7.94			6.75	7347.82	49565.00
	Basic Rate	6803.54							
	Area Weightage @ 8%	544.28					7.146		
	Total	**7347.82**							
12	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to **wet mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406, No. 166/ Item No. 20.18/ PWD SR 2011-12	Cum							
	17 th Cross		1	300.00	4.50	0.15	202.50		
	17th A Cross		1	300.00	5.00	0.15	225.00		
							427.50	1059.48	**452928.00**
	Basic Rate	981.00							
	Area Weightage @ 8%	78.48							
	Total	**1059.48**							
13	KSRRB 500-4: providing and applying **primer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications MORTH chapter 5, No. 172/ Item No. 21.4.2/ PWD SR 2012-13 Medium Porosity	**Sqm**							
	17 th Cross		1	300.00	4.50		1350.00		
	17th A Cross		1	300.00	5.00		1500.00		
							2850.00	85.10	**242546.00**
	Basic Rate	78.80							242535.00
	Area Weightage @ 8%	6.30							
	Total	**85.10**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
14	KSRRB M500-18: Providing and laying **semi dense bituminous concrete 25mm thick** with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. 25-30mm compacted thikness with 5% Birumen80/100grade (gradingII) P.No. 175/ Item No. 21.20.1/ PWD SR 2012-13	Cum							
	17 th Cross		1	300.00	4.50	0.025	33.75		
	17th A Cross		1	300.00	5.00	0.025	37.50		
							71.25	8829.00	629066.00
	Basic Rate	8175.00							
	Area Weightage @ 8%	654.00							
	Total	**8829.00**							
15	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
							Qty. Vide Item No. 1+2	344.78		
	Average Weight of Earth 1.28 Ton/Cum						441.32	67.32	29709.00
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2010-11 (P.118/I.17.1) For loading and unloading	62.20							
	Total	**67.32**							
	8+.	5.38	=72.70						3396
16	Miscesallaneous Charges	L/S							1687.00
								Total	1900000.00

Technical Sanction for Rs. 19.00 lakh
Nineteen lakh only
PWD 2012-13
P.1771
registered as EE No: 284/12-13 Subject to conditions contained enclosed memo.
No: 284 /12-13 Dr. 10.1.13
AE/JE
EE (BTP. Div.) 10/1/2013

ADMINISTRATIVELY SANCTIONED FOR Rs.
Rupees Nineteen lakh only
Under PWD-2012-13
P.1771
Registered as EE ( ) No. 3.29
Subject to conditions contained in 250655
enclosed memo EE/BTP/ 306
Dt. 7-1-13
JC ALA
Estimate Administrative Approved
No. 806/12-13
Dated 7-1-13
Rs. 19.00 lakh

Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92.

(Rupees Ninteen Lakhs Only)

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2012-13
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division